

10/534219

## INTERNATIONAL SEARCH REPORT

Rec'd PCT/PTO 06 MAY 2005  
PCT/US 03/35366

<b>A. CLASSIFICATION OF SUBJECT MATTER</b> IPC 7 B29C45/16 B29C45/76		
According to International Patent Classification (IPC) or to both national classification and IPC		
<b>B. FIELDS SEARCHED</b> Minimum documentation searched (classification system followed by classification symbols) IPC 7 B29C		
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched		
Electronic data base consulted during the international search (name of data base and, where practical, search terms used) EPO-Internal, PAJ		
<b>C. DOCUMENTS CONSIDERED TO BE RELEVANT</b>		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2002/039656 A1 (OMNOVA SOLUTIONS) 4 April 2002 (2002-04-04)	1-10
Y	paragraph '0063! - paragraph '0067! paragraph '0071! - paragraph '0072!	1-10
P,Y	JAROSCHECK, CHRISTOPH: "Spritzgiessen für Praktiker" 1 December 2002 (2002-12-01), CARL HANSER VERLAG, MÜNCHEN WIEN, XP002272929 page 120, paragraph 3 ----- -/--	1-10
<input checked="" type="checkbox"/> Further documents are listed in the continuation of box C. <input checked="" type="checkbox"/> Patent family members are listed in annex.		
* Special categories of cited documents : *A* document defining the general state of the art which is not considered to be of particular relevance *E* earlier document but published on or after the international filing date *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) *O* document referring to an oral disclosure, use, exhibition or other means *P* document published prior to the international filing date but later than the priority date claimed *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art. *S* document member of the same patent family		
Date of the actual completion of the international search  9 March 2004		Date of mailing of the international search report  25/03/2004
Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax (+31-70) 340-3016		Authorized officer  Kujat, C

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	ROSATO, DONALD V: "Injection moulding handbook" 1995, CHAPMAN&HALL, NEW YORK, XP002272930 page 52, right-hand column, paragraph 2 page 92, right-hand column, paragraph 2 - page 93, left-hand column, paragraph 1 page 817, right-hand column	1-10
Y	PATENT ABSTRACTS OF JAPAN vol. 1999, no. 11, 30 September 1999 (1999-09-30) & JP 11 147236 A (UBE IND LTD), 2 June 1999 (1999-06-02) abstract	1-10
Y	PATENT ABSTRACTS OF JAPAN vol. 1999, no. 01, 29 January 1999 (1999-01-29) & JP 10 272663 A (UBE IND LTD), 13 October 1998 (1998-10-13) abstract	1-10
A	PATENT ABSTRACTS OF JAPAN vol. 1995, no. 04, 31 May 1995 (1995-05-31) & JP 7 024894 A (JAPAN STEEL WORKS LTD:THE), 27 January 1995 (1995-01-27) abstract	1-10

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Information on patent family members

International Application No

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Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 2002039656 A1	04-04-2002	US 6617033 B1 WO 03031138 A1 CA 2438672 A1 EP 1299218 A2 JP 2004502570 T WO 0204187 A2 US 2002171171 A1	09-09-2003 17-04-2003 13-07-2003 09-04-2003 29-01-2004 17-01-2002 21-11-2002
JP 11147236 A	02-06-1999	NONE	
JP 10272663 A	13-10-1998	JP 3412419 B2	03-06-2003
JP 7024894 A	27-01-1995	NONE	

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